

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (Currently Amended) A computer-implemented method of displaying data from a first data set having a first amount of data utilized in generating a first tree map visualization, comprising:

filtering the first data set so as to provide a second data set having a ~~reduced~~ second amount of data ~~relative to the first data set~~ which is less than the first amount of data; and

generating a second tree map visualization based on the second data set;

wherein filtering the first data set comprises filtering the first data set based on at least one threshold value of data utilized in generating the second tree map visualization; and

setting the at least one threshold value of data so as to provide a tree map visualization having a predefined minimum bounding box area that is greater than a minimum area for a bounding box that a display device is capable of displaying by evaluating data in the first data set to establish the at least one threshold value so as to provide a tree map visualization having the predefined minimum bounding box area.

2. (Original) The method of Claim 1, wherein generating a second tree map visualization comprises generating a second tree map visualization based on the second data set so as to increase a size of bounding boxes associated with data common to both the first and the second data sets as compared to the first tree map visualization based on the first data set.

3. (Original) The method of Claim 1, wherein generating a second tree map visualization comprises generating a second tree map visualization based on the second data set so as to decrease utilization of a processor in generating the second tree map visualization based on the second data set as compared to processor utilization in generating the first tree map visualization based on the first data set.

4. (Original) The method of Claim 1, wherein the first data set is filtered based on at least one of data values of data elements of the first data set utilized in generating the tree

map visualization, data values of data elements of the first data set that are not utilized in generating the second tree map visualization and/or metadata associated with the data elements of the first data set.

5.-8. Canceled.

9. (Currently Amended) The method of Claim 1, wherein filtering the first data set ~~so as to provide a second data set having a reduced amount of data relative to the first data set~~ comprises filtering the first data set such that the second data set provides a tree map visualization with a predefined characteristic.

10. (Original) The method of Claim 1, further comprising generating a display based on a third data set containing data filtered from the first data set to provide the third data set.

11. (Original) The method of Claim 10, wherein the generated display comprises a second tree map visualization.

12. (Currently Amended) A computer-implemented system for displaying data from a first data set having a first amount of data utilized in generating a first tree map visualization, comprising:

means for filtering the first data set so as to provide a second data set having a second amount of data which is less than the first amount of data~~reduced amount of data relative to the first data set~~; and

means for generating a second tree map visualization based on the second data set;
wherein the means for filtering the first data set comprises means for filtering the first data set based on at least one threshold value of data utilized in generating the second tree map visualization;

means for setting the at least one threshold value of data so as to provide a tree map visualization having a predefined minimum bounding box area that is greater than a minimum area for a bounding box that a display device is capable of displaying; and

wherein the means for setting the at least one threshold value of data so as to provide a tree map visualization having a predefined minimum bounding box area comprises means for evaluating data in the first data set to establish the at least one threshold value so as to provide a tree map visualization having the predefined minimum bounding box area.

13. (Original) The system of Claim 12, wherein the means for generating a second tree map visualization comprises means for generating a second tree map visualization based on the second data set so as to increase a size of bounding boxes associated with data common to both the first and the second data sets as compared to the first tree map visualization based on the first data set.

14. (Original) The system of Claim 12, wherein the means for generating a second tree map visualization comprises means for generating a second tree map visualization based on the second data set so as to decrease utilization of a processor in generating the second tree map visualization based on the second data set as compared to processor utilization in generating the first tree map visualization based on the first data set.

15. (Original) The system of Claim 12, wherein the first data set is filtered based on at least one of data values of data elements of the first data set utilized in generating the second tree map visualization, data values of data elements of the first data set that are not utilized in generating the second tree map visualization and/or metadata associated with the data elements of the first data set.

16.-19. Canceled.

20. (Currently Amended) The system of Claim 12, wherein the means for filtering the first data set ~~so as to provide a second data set having a reduced amount of data relative to the~~

~~first data set~~ comprises means for filtering the first data set such that the second data set provides a tree map visualization with a predefined characteristic.

21. (Original) The system of Claim 12, further comprising means for generating a display based on a third data set containing data filtered from the first data set to provide the third data set.

22. (Original) The system of Claim 21, wherein the generated display comprises a second tree map visualization.

23. (Currently Amended) A computer program product for displaying data from a first data set having a first amount of data utilized in generating a first tree map visualization, comprising:

a computer readable media having computer readable program code embodied therein, the computer readable program code comprising:

computer readable program code configured to filter the first data set so as to provide a second data set having a second amount of data which is less than the first amount of data~~reduced amount of data relative to the first data set~~; and

computer readable program code configured to generate a second tree map visualization based on the second data set;

wherein the computer readable program code configured to filter the first data set comprises computer readable program code configured to filter the first data set based on at least one threshold value of data utilized in generating the second tree map visualization; and

computer readable program code configured to set the at least one threshold value of data so as to provide a tree map visualization having a predefined minimum bounding box area that is greater than a minimum area for a bounding box that a display device is capable of displaying by evaluating data in the first data set to establish the at least one threshold value so as to provide a tree map visualization having the predefined minimum bounding box area.

24. (Original) The computer program product of Claim 23, wherein the computer readable program code configured to generate a second tree map visualization comprises computer readable program code configured to generate a second tree map visualization based on the second data set so as to increase a size of bounding boxes associated with data common to both the first and the second data sets as compared to the first tree map visualization based on the first data set.

25. (Original) The computer program product of Claim 23, wherein the computer readable program code configured to generate a second tree map visualization comprises computer readable program code configured to generate a second tree map visualization based on the second data set so as to decrease utilization of a processor in generating the tree map visualization based on the second data set as compared to processor utilization in generating the first tree map visualization based on the first data set.

26. (Original) The computer program product of Claim 23, wherein the first data set is filtered based on at least one of data values of data elements of the first data set utilized in generating the second tree map visualization, data values of data elements of the first data set that are not utilized in generating the second tree map visualization and/or metadata associated with the data elements of the first data set.

27.-30. Canceled.

31. (Currently Amended) The computer program product of Claim 23, wherein the computer readable program code configured to filter the first data set ~~so as to provide a second data set having a reduced amount of data relative to the first data set~~ comprises computer readable program code configured to filter the first data set such that the second data set provides a tree map visualization with a predefined characteristic.

32. (Original) The computer program product of Claim 23, further comprising computer readable program code configured to generate a display based on a third data set containing data filtered from the first data set to provide the third data set.

33. (Original) The computer program product of Claim 32, wherein the generated display comprises a second tree map visualization.

34. (New) A method of displaying data from a first data set having a first amount of data utilized in generating a first tree map visualization, comprising the following operations being carried out by one or more data processing systems:

filtering the first data set used in generating the first tree map visualization so as to provide a second data set having a second amount of data which is less than the first amount of data;

generating a second tree map visualization based on the second data set; and

generating a display based on a third data set containing data filtered from the first data set to provide the third data set..

35. (New) A system comprising means configured to carry out the operations of Claim 34.

36. (New) A computer program product comprising computer readable program code configured to carry out the operations of Claim 34.